

Title (en)

MULTI-WAVELENGTH VISIBLE LASER SOURCE

Title (de)

SICHTBARE LASERQUELLE MIT MEHREREN WELLENLÄNGEN

Title (fr)

SOURCE LASER VISIBLE À LONGUEURS D'ONDE MULTIPLES

Publication

EP 3884663 A4 20230111 (EN)

Application

EP 19886335 A 20191125

Priority

- US 201862770892 P 20181123
- US 2019063112 W 20191125

Abstract (en)

[origin: WO2020107030A1] Methods and system to provide high power and brightness display and illumination systems and methods. In embodiments multi-wavelength laser beams in the wavelength range of 300 nm to 700 nm, including high power beams in these wavelengths having excellent beam qualities are provided and used. The three wavelengths can be primary colors, red, green and blue. Manufacturing and display systems, allowing the high-power white light generation directly from a single fiber laser source, such as theaters, sporting events, public events, private and home entertainment to name a few. The systems are configured for Photopic and Scotopic vision.

IPC 8 full level

H04N 9/31 (2006.01); **H01S 3/108** (2006.01); **H01S 3/30** (2006.01)

CPC (source: EP KR US)

H01S 3/005 (2013.01 - KR); **H01S 3/06708** (2013.01 - KR US); **H01S 3/0675** (2013.01 - EP KR US); **H01S 3/094003** (2013.01 - KR);
H01S 3/094046 (2013.01 - EP KR US); **H01S 3/094069** (2013.01 - KR US); **H01S 3/09408** (2013.01 - KR); **H01S 3/09415** (2013.01 - KR);
H01S 3/2391 (2013.01 - US); **H01S 3/302** (2013.01 - EP KR US); **H01S 5/32341** (2013.01 - KR); **H04N 9/3152** (2013.01 - KR);
H04N 9/3158 (2013.01 - EP KR); **H04N 9/3161** (2013.01 - EP KR); **H04N 9/3164** (2013.01 - EP KR); **H01S 3/005** (2013.01 - EP);
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H01S 5/32341 (2013.01 - EP)

Citation (search report)

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- [Y] US 9647418 B1 20170509 - HENRY LEANNE J [US], et al
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- See also references of WO 2020107036A1

Designated contracting state (EPC)

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EP 3884663 A1 20210929; EP 3884663 A4 20230111; JP 2022507927 A 20220118; KR 20210091806 A 20210722; US 11870203 B2 20240109;
US 2021057865 A1 20210225; WO 2020107036 A1 20200528

DOCDB simple family (application)

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JP 2021529001 A 20191125; KR 20217019248 A 20191125; US 2019063112 W 20191125; US 201916695090 A 20191125